

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a machine and process for producing a tissue web. The machine includes a forming area including at least one rotating continuous dewatering wire with zonally varied wire permeability, and at least one shoe press. The process includes dewatering the tissue web with at least the at least one continuous dewatering wire with zonally varied wire permeability, and pressing the tissue web in the at least one shoe press.